PATENT APPLICATION

Attorney Docket No. D/A3243

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SYSTEMS AND METHODS FOR CHARACTERIZING THE COVERAGE OF AD HOC SENSOR NETWORKS

	OR 🗌 was filed	d on as U.S. Appli	cation No.
I hereby state that I have including the claims.	reviewed and understa	and the contents of the abo	ove-identified specification,
I acknowledge the duty to o		ch is material to the patental	bility as defined in Title 37,
application(s) for patent I	listed below, and have or patent having a filing	ed States Code, §119 of any also identified below any date before that of the app	foreign application(s) or
(Number)	(Country)	(Day/Month/Ye	ear Filed)
,			
to prosecute this applica	Y: As a named inventor, ation and transact all bu	, I hereby appoint the followin siness in the Patent and Tra	ng registered practitioners demark Office connected
POWER OF ATTORNE to prosecute this application therewith. Mark Costello	ation and transact all bu	, I hereby appoint the followin siness in the Patent and Tra Robert A. Miller	ng registered practitioners demark Office connected Reg. No. 32,771;
to prosecute this application therewith.	Y: As a named inventor, ation and transact all bu Reg. No. 31,342; Reg. No. 39,159;	siness in the Patent and Tra	demark Office connected
to prosecute this application therewith. Mark Costello	ation and transact all bu	siness in the Patent and Tra	demark Office connected Reg. No. 32,771;
to prosecute this application therewith. Mark Costello Daniel B. Curtis	Reg. No. 31,342; Reg. No. 39,159;	siness in the Patent and Tra Robert A. Miller Mario A. Costantino	demark Office connected Reg. No. 32,771; Reg. No. 33,565;
to prosecute this application therewith. Mark Costello Daniel B. Curtis Kent M. Chen	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630;	siness in the Patent and Tra Robert A. Miller Mario A. Costantino Stephen J. Roe	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463;
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782	siness in the Patent and Tra Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430;
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075;	siness in the Patent and Tra Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown	demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025;
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024;	siness in the Patent and Tra Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice	demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560;
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562; Reg. No. 30,411;	siness in the Patent and Tra Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450;	siness in the Patent and Tra Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini Edward P. Walker	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450; SPONDENCE TO:	Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou Eric D. Morehouse	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.
to prosecute this applicatherewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini Edward P. Walker ADDRESS ALL CORRE	Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450; SPONDENCE TO:	Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou Eric D. Morehouse	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

DECLARATION AND POWER OF ATTORNEY, continued

Name of sole or first inventor:	Juan LIU	
Inventor's Signature:	T.J.	Date:
Residence: Milpitas, California Citizenship: Peoples Republic		Mailing Address: 44 Jacklin Place Milpitas, CA 95035 USA
Name of second joint inventor:	Xenofon KOUTSOUKOS	
Inventor's Signature:		Date:
Residence: Franklin, Tenness	ee USA	
Citizenship: Greece		Mailing Address: 1015 Wyndham Hill Lane Franklin, TN 37069
•	*	
Name of second joint inventor:	NAME	
Inventor's Signature:		Date:
Residence: Address (City and Citizenship:	State):	Mailing Address:
Name of second joint inventor:	NAME	
Inventor's Signature:	Chata):	Date:
Residence: Address (City and Citizenship:	State).	Mailing Address:
Name of second joint inventor:	NAME	
Inventor's Signature:		Date:
Residence: Address (City and Citizenship:	State):	Mailing Address:
Name of second joint inventor:	NAME	
Inventor's Signature:		Date:
Residence: Address (City and Citizenship:	State):	Mailing Address:
Name of second joint inventor:	NAME	
Inventor's Signature:		Date:
Residence: Address (City and Citizenship:	State):	Mailing Address:

PATENT APPLICATION

Attorney Docket No. D/A3243

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

the enecification and claims of which

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SYSTEMS AND METHODS FOR CHARACTERIZING THE COVERAGE OF AD HOC SENSOR NETWORKS

	are attached hereto	OR Was file	d on as U.S. Appli	cation No
	nereby state that I have sluding the claims.	e reviewed and understa	and the contents of the abo	ove-identified specification,
	cknowledge the duty to de of Federal Regulation		ich is material to the patental	pility as defined in Title 37,
ap Pr	plication(s) for patent	listed below, and have	ed States Code, §119 of any e also identified below any date before that of the appl	foreign application(s) or
Pri	or Foreign or U.S. Provi	sional Application(s)		•
<u>(N</u>	umber) POWER OF ATTORNE	(Country) EY: As a named inventor.	(Day/Month/Ye	,
<u>(Z</u>	POWER OF ATTORNE	EY: As a named inventor	(Day/Month/Ye , I hereby appoint the followin siness in the Patent and Tra	g registered practitioners
(Z)	POWER OF ATTORNE to prosecute this applic	EY: As a named inventor ation and transact all bu	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller	ng registered practitioners demark Office connected Reg. No. 32,771;
<u>(Z</u>	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis	EY: As a named inventor ation and transact all bu Reg. No. 31,342; Reg. No. 39,159;	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565;
(N	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen	EY: As a named inventor ation and transact all bu Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630;	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino Stephen J. Roe	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463;
(N	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain	EY: As a named inventor, ation and transact all bu Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430;
[2]	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff	EY: As a named inventor, ation and transact all bu Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075;	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025;
	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge	EY: As a named inventor, ation and transact all bu Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024;	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560;
(Z	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson	EY: As a named inventor, ation and transact all but Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562;	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and
(N	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini	EY: As a named inventor, ation and transact all but Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562; Reg. No. 30,411;	, I hereby appoint the followin siness in the Patent and Trac Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560;
Z 2	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini Edward P. Walker	EY: As a named inventor, ation and transact all but Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 30,024; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450;	, I hereby appoint the followin siness in the Patent and Track Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou Eric D. Morehouse	registered practitioners demark Office connected Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.
Z 2	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini Edward P. Walker ADDRESS ALL CORRE	Reg. No. 31,342; Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 27,075; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450; ESPONDENCE TO:	Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou Eric D. Morehouse	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.
2	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini Edward P. Walker ADDRESS ALL CORRE OLIFF & BERRIDGE, P	Reg. No. 31,342; Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 27,075; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450; ESPONDENCE TO:	Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou Eric D. Morehouse DIRECT TELEPHONE CA	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.
2	POWER OF ATTORNE to prosecute this applic therewith. Mark Costello Daniel B. Curtis Kent M. Chen Nola Mae McBain James A. Oliff William P. Berridge Kirk M. Hudson Thomas J. Pardini Edward P. Walker ADDRESS ALL CORRE	EY: As a named inventor, ation and transact all but Reg. No. 31,342; Reg. No. 39,159; Reg. No. 39,630; Reg. No. 35,782 Reg. No. 27,075; Reg. No. 27,562; Reg. No. 30,411; Reg. No. 31,450; ESPONDENCE TO: LC	Robert A. Miller Mario A. Costantino Stephen J. Roe Joel S. Armstrong Christopher W. Brown Richard E. Rice Paul Tsou Eric D. Morehouse	Reg. No. 32,771; Reg. No. 33,565; Reg. No. 34,463; Reg. No. 36,430; Reg. No. 38,025; Reg. No. 31,560; Reg. No. 37,956; and Reg. No. 38,565.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

DECLARATION AND POWER OF ATTORNEY, continued

Name of sole or first inventor:	Juan LIU	
Inventor's Signature: Residence: Milpitas, California Citizenship: Peoples Republic	USA of China	Date: Mailing Address: 44 Jacklin Place Milpitas, CA 95035 USA
Name of second joint inventor: Inventor's Signature: Residence: Franklin, Tennesse Citizenship: Greece	Xenofon KOUTSOUKOS Weulsenlos ee USA	Date: 11 18 2003 Mailing Address: 1015 Wyndham Hill Lane Franklin, TN 37069
Name of second joint inventor:	NAME	
Inventor's Signature: Residence: Address (City and Citizenship:	State):	Date:
Name of second joint inventor: Inventor's Signature: Residence: Address (City and Citizenship:	NAME State):	Date: Mailing Address:
Name of second joint inventor:	NAME	
Inventor's Signature: Residence: Address (City and Citizenship:	State):	Date:
Name of second joint inventor:	NAME	
Inventor's Signature: Residence: Address (City and Citizenship:	State):	Date:
Name of second joint inventor:	NAME	•
Inventor's Signature: Residence: Address (City and Citizenship:	State):	Date: